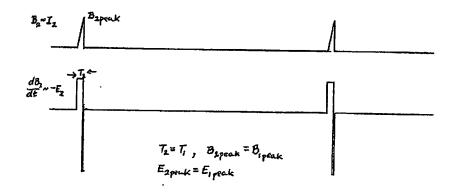
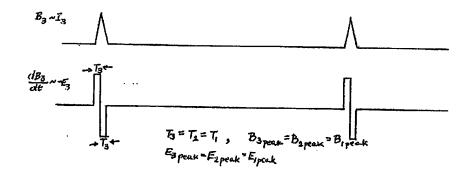


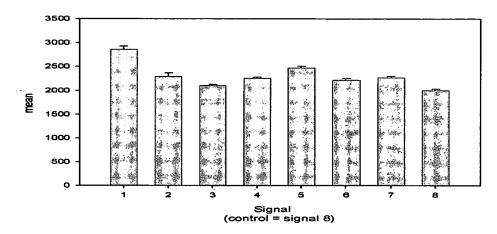
Signal P Signal r





Signal t

Plot of mean response for each signal and control

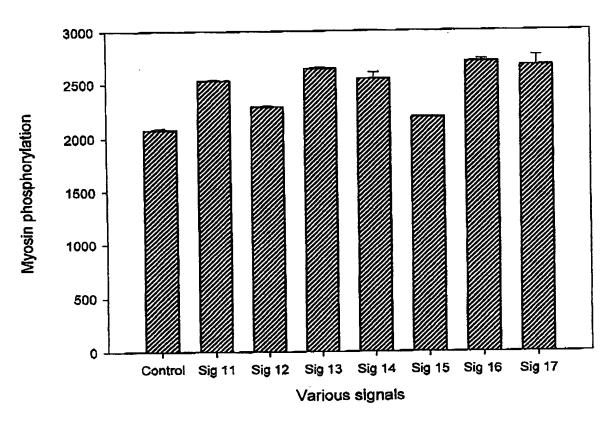


· Electromagnetic field parameters:

Signal	1	2	3	4	5	6	7	8=control
B [mT]	3	3	0.5	0.05	3	0.3	0.3	0
t _r /t _f [us]	300/20	300/50	300/50	300/50	1000/300	1000/300	300/1000	
f[Hz]	2	2	2	2	2	2	2	

FIG. 2

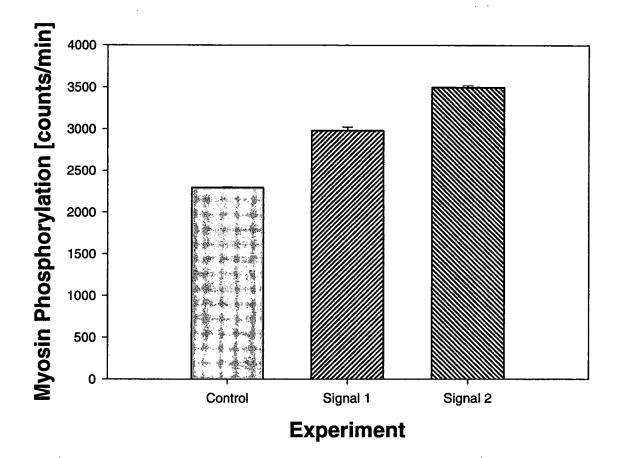
SUMMARY Second series



Electromagnetic field parameters:

B [mT]	3	3	3	3	3	0.5	0.05
t/t, [µs]	300/20	300/20	300/20	20/20	50/50	50/50	50/50
f [kHz]	0.002	3.13	1.56	25	10	10	10

FIG. 4

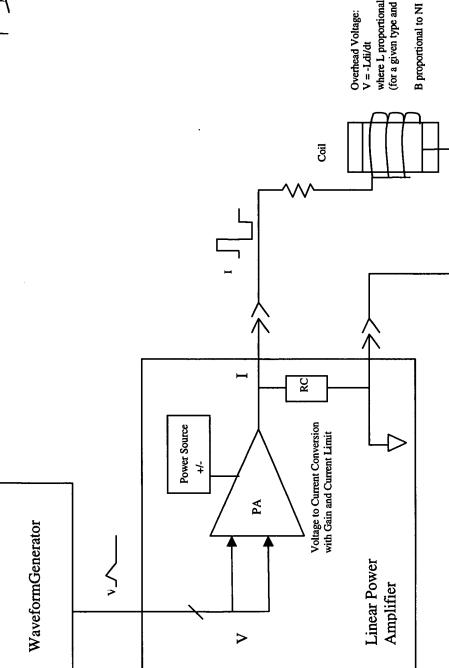


 Signal 1
 Signal 2

 B[mT]
 0.3
 0.3

 t_r/t_f[ms]
 1/0.3
 0.8/0.3

 f [Hz]
 2
 2



Overhead Voltage:

V = -Ldi/dt

where L proportional to N²

(for a given type and geometry of a coil)

- NW 4 N O -00 33/30 **** D4 FR802 D5 F 27.0 0.12 03 | EFP9140 20mA 20mA 25.5 5.55 8.5% 5.5% R27 R28 Q7 TIP 32CGE Q4 TIP 31 CGE 2200 D2 11N4744ACT D3 11N4744ACT . No R30 χχχ υχτ υχτ 80 00 100.0 R3 100.0 7829 49.9 TIP32CGE 0154 R31 49.9 ሺ ረሳ ወ አ ₹× TIP 3 TOGE Q12 TIP 30CGE A Q11 BIAS Q1 ZTX953 Z 27x853 .67mA 五4 4 4 8.0K SW SPOT 1000P π. δ X R22 1K 0FFSET Z7X953 3.0 4.0 25 27×953 + U1 -ፍ ተ ወ አ œ RESKYK S AMP J.7mA R18 200 Σ, Α,

Example C - Signals

Signal	Signal Type	Repitition Rate	B _{peak} (mT)	dB/dt (mT/s)	Signal Amplitude (Amps)	"Rise" Time (msec)	"Fall" Time (msec)
Signal A Channel 1	Ramp	2 Hz	3	10/-60	7.000	0.3	0.05
Signal B Channel 7	Triangle	2 Hz	0.3	1/-1	0.700	0.3	0.3
Signal C Channel 2	Ramp	2 Hz	0.5	1.67/-10	1.150	0.3	0.05
Signal D Channel 6	Яаmp	2 Hz	0.05	0.17/-1	0.115	0.3	0.05
Signal E Channel 11	Pulse	2 Hz	0.3	0.3/-0.3	0.700	1	-
Signal F Channel 12	Pulse	2 Hz	0.05	0.05/-0.05	0.117	1	1
Signal G Channel 10	Ramp	2 Hz	0.3	1/-0.3	0.700	0.3	1
Signal H Channel 3	Ramp	2 Hz	0.3	0.3/-1	0.700	1	0.3

/- BI-